

## Purchasing Receipts

PO No	Supplier	Line Item No	Ref No	Purchased Item	Description	Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Past Due Days	Total	Supplier Name	
PO040612	MFC002-VU	14	1	Net 30	M4130NR0.375 4130 Steel Round Bar .375": MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft				60	8/24/2018	60	S100767	Stock	8/7/2018	\$ 2.37 / ft	2	\$143.19	Metaux Castle		
		18			M304R1.500	304 Round Bar 1.500": MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft			12		13	S100768	Stock	8/7/2018	\$ 13.81 / ft	2	\$173.18	Metaux Castle		
		20			M303R1.250	303 Round Bar 1.250": MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft			12		12	S100769	Stock	8/7/2018	\$ 11.80 / ft	2	\$142.96	Metaux Castle		
<b>Total:</b>																		<b>84</b>	<b>85</b>	
																			<b>\$459.32</b>	

Plex 8/9/2018 3:38 PM *dart.Tollis.Andrew*



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
02-AUG-18	ORIGIN	Prepaid		MANTOULIN		36664666-2	
Shipment Details							
Final Destination Branch - TOR							
Order No	Line No	Item No	Description				
5214678	3	16009	0.3750.RD.E4130 ALLOY.CF.NORM.AQ.AMS 6348.120.0000-156.0000 SPECIFICATIONS:AMS 6348				
Purchase Order No	Part Number		Ordered Qty	Invoice Qty			
40612			60.00 FT	60.4167 FT			
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
122002538		 8 6 9 2 1 2A1	5			145.0000	24.0000

**SBE9h992**

We hereby certify the material covered by this specification conforms in accordance with the above specification and has been found to meet the applicable requirements for the material, including any specific test reports are on file subject to examination. All claims for defective material are waived unless made within 30 days of delivery. A M Castle & Co. will not be liable for damages resulting from any use of the material. The customer cannot be retained.

**SURE KALOUS**

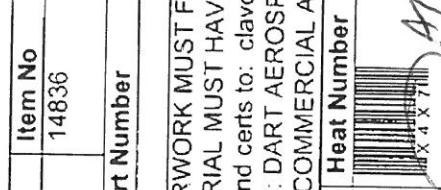
Reviewed by: Authorized Castle Metals Representative: \_\_\_\_\_ Date: \_\_\_\_\_ Name: \_\_\_\_\_  
L. 0093-FO-R



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment Details				Final Destination Branch - TOR			
Date Shipped	F.O.B. 02-AUG-18	Freight Terms ORIGIN	Carrier MANITOULIN	Ship To:	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To:	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Order No	Line No	Item No	Description	Order No	Part Number	Ordered Qty	Invoice Qty
5214678	5	14836	1.5000.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276	40612		12.00 FT	12.5417 FT
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121998989	NORTH AMERICAN STAINLESS	 47		1		150.5000	75.3754
We hereby certify no material covered by this confirmation conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any special provisions forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless filed with A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size or quantity by the customer cannot be returned.							
Approved by Authorized Castle Metals Representative: <b>SUE KAHLOUS</b>  <i>L-005108</i>				Date: <b>Aug 07 2018</b> 			



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment No:3664666							
<b>Ship From:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA				
<b>Date Shipped</b> 02-AUG-18	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN				
<b>Shipment Details</b>							
<b>Final Destination Branch - TOR</b>							
<b>Order No</b> 5214713	<b>Line No</b> 1	<b>Item No</b> 4693	<b>Description</b> 1.2500.RD.303 STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
<b>Purchase Order No</b> 40612	<b>Part Number</b>	<b>Ordered Qty</b> 12.00 FT	<b>Invoice Qty</b> 12.1146 FT				
<b>Details</b>	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX-HEAT #'S Email P/s and certs to: clavioe@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
<b>Delivery No.</b> 122001733	<b>Mill/Source</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b>  A1	<b>Mech Id</b> 1	<b>PCS</b> 1	<b>Width (IN)</b>	<b>Length (IN)</b> 145.3750	<b>Shipped Qty(LBS)</b> 50.5178
<p>We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including the test reports forming a part of the description. All claims for defective material are waived unless made in writing to A. M. Castle &amp; Co. Within thirty (30) days after delivery, if the material is found to be defective, it may be returned to the customer subject to a credit review.</p> <p><b>REMARKS</b></p> <p>Approved by: <b>AMERICAN STAINLESS</b> <b>A1</b></p> <p>Date: <b>Aug-02-2018</b> <b>4-09-18</b></p>							



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

PURCHASE ORDER  
PO040612

<b>Supplier:</b>	MEC002-VU Metaux Castle P.O. Box 4090 Stn A Toronto ON M5W 0E9 Canada	<b>PO No:</b>	PO040612
		<b>PO Date:</b>	7/26/18
		<b>Due Date:</b>	8/22/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, ChantalPhone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		M7075T6S6.000X0.250		7075-T6S Sheet 6" Thick Plate X 0.25" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	-	8/22/18	80 ft	0 ft	80 ft	\$14.35/ft	\$1,148.00
2		M7075T6S6.000X1.000		7075-T6S Sheet 6" Thick Plate X 1" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	-	8/22/18	60 ft	0 ft	60 ft	\$43.42/ft	\$2,605.20
3		M7075T6S1.500X1.500		7075-T6S Sheet 1.5" Thick Plate X 1.5" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	-	8/22/18	80 ft	0 ft	80 ft	\$20.50/ft	\$1,640.00
4		M7075T6S1.750X2.250		7075-T6 Sheet 1.750" X 2.250" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	-	8/22/18	43.75 ft	0 ft	44 ft	\$40.86/ft	\$1,787.63
Line Item Note	20 pc - 48.25" long											
5		M7075T6S1.250X2.750		M7075T6S1.250" X2.750" Cut From Plate : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM	Firmed	-	8/22/18	12 ft	0 ft	12 ft	\$31.20/ft	\$374.40



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

PURCHASE ORDER  
PO040612

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
				B209 receive ft								
6		M7075T6S0.375X3.000		7075 T6 Sheet 0.375" X 3.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209	Firmed	-	8/22/18	60 ft	0 ft	60 ft	\$11.86/ft	\$711.60
7		M7075T6S0.750X4.000		7075 T6 Sheet 0.750" X 4.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209	Firmed	-	8/22/18	40 ft	0 ft	40 ft	\$28.58/ft	\$1,143.20
8		M7075T6S1.000X1.250		7075 T6 Sheet 1.000X1.250 : MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 receive ft	Firmed	-	8/22/18	12 ft	0 ft	12 ft	\$17.15/ft	\$205.80
9		M7075T73B1.250X02.000		7075-T73 Bar 1.250" X 2.000" Cut In Billet 30" Long : MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 BAR PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078 receive ft	Firmed	-	8/22/18	25 ft	0 ft	25 ft	\$26.10/ft	\$652.50
Line Item Note: 10 pcs cut at 30" long												
10		M7075T73R1.000		7075-T73 Round Bar 1.00 : MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 receive ft	Firmed	-	8/13/18	12 ft	0 ft	12 ft	\$11.47/ft	\$137.64
11		M303B1.500X4.000		303 Bar 1.500" X 4.000" : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE	Firmed	-	8/22/18	6 ft	0 ft	6 ft	\$238.50/ft	\$1,431.00
12		M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT	Firmed	-	8/13/18	12 ft	0 ft	12 ft	\$18.72/ft	\$224.64



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO040612**

**Line Item Note** cut in section of 4 ft

**DAS**  
**61**  
L-89 M303R1.250 303 Round Bar 1.250 Firmed - 8/3/18 12 ft 0 ft 12 ft \$11.80/ft \$141.60  
: MATERIAL: AISI 303 SS 115 ft AUG 09 2018



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

PURCHASE ORDER  
PO040612

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
				ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft								

Grand Total: \$15,549.37

Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
  
A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 8/3/18 11:09 AM dart.baker.diane

DATE: 05/09/2017 FROM: SIGMA AEROSPACE METALS TO: AM CASTLE  
PO #: 2437 SD #: 135166 PCS: 32



DATE: 05/09/2017 FROM: SIGMA AEROSPACE, METALS TO: AM CASTLE PO #: 2437 PCS: 32 SO #: 135166

### MILL TEST CERTIFICATE

Vilnius, Lithuania 260 3901, LT-15343, 150 16031 X OLSA 18001

GERMANY

CUSTOMER: RELEMBURG: 210791 SALES ORDER: 292570-1 HEAT NUMBER: 166921 PRODUCT NR: RELEMBURG: 1882095

DATA: 05/09/2017 ; Printed (ASTM E31 2001 R2006) ; Recheck (d) 16.06.2015

Procedure: Autoclave (2) ; Tensile (3) ; Impact (3) ; C ; Radiographic (c) 0.2 mm/2

Sample: Test specimen standard (ASTM E709 2014 01-03, 2014) ; Check control 100% Q.C.

Specimen: Specimen prepared by process

#### ADDITIONAL INFORMATION

Marking made in a sample : Specialized in the production of vacuum degassed castings  
Marking is a type of marking and identification : Individual casting number : No individual markings  
Product made in a sample : Specialized in the production of vacuum degassed castings 155 x 155 mm.  
Marking procedure: Blotting Pictures and vacuum degassing; Casting  
Marking location: 155 x 155 mm  
Marking text: Material to the same basic standard as the casting  
Product characteristics: Quality and manufacture date of the casting  
Notes: Note: All materials are produced to meet the requirements of the customer  
Notes: Note: All materials are produced to meet the requirements of the customer  
Notes: Note: All materials are produced to meet the requirements of the customer

TECHNOLÓGIA & QUALITY CERTIFICATE THAT THE PRODUCT FULL FILL THE ORDER. SORRY FOR THE DELAY	ANALYSE OF THE MATERIAL CERTIFICATE	REF.: 101500000000
APPROVED BY: JUHANI URHELA LAIVIINA	DATE: 09.09.2016	Page 2 of 2



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RELEASED  
02-05-06

PART NUMBER:

66.  $\frac{7}{8}$ " ROUND BAR = M4130N-R0.875

DIA

M4130N - R.D.DD where D.DD = DIAMETER IN INCHES

PURCHASE MATERIAL: AISI 4130N ROUND BAR PER MIL-S-6758 ER AMS 6348/6370/6528

DESIGN	DRAWN BY	DART AEROSPACE LTD	HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	M4130N - R	REV. A
DATE	02-04-19	4130 ROUND BAR	SHEET 1 OF 1
DRAWING NO.	02-04-19	NEW ISSUE	NTS



**DART**

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION	ENGINEERING SIGN OFF (if required)	SIGNED OFF BY: <i>AH</i>	DATE: <i>18/08/09</i>
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TYPE OF MATERIAL	RECORD RESULTS BELOW			
	HRC	HRB	DUR A	DUR D
	WEBSITE			
	SIZE OF TEST SAMPLE			
	HARDNESS / DUROMETER READING			

DESCRIPTION	NCR	Check (Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Ans 6348</i>
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
TESTS LOCATED IN THE QUALITY OFFICE			

MATERIAL CERT REC'D: *Yes* DATE: *18/08/09*  
 QUANTITY RECEIVED: *60.416754* SHEET SIZE ORDERED: *60.416754*  
 QUANTITY INSPECTED: *60.416754* SHEET SIZE RECEIVED: *—*  
 THICKNESS RECEIVED: *0.375"* QUANTITY RECEIVED: *60.416754*  
 THICKNESS ORDERED: *0.375"* SHEET SIZE ORDERED: *—*  
 MATERIAL CERT REC'D: *Yes* DATE: *18/08/09*  
 QUANTITY RECEIVED: *60.416754* SHEET SIZE ORDERED: *—*  
 QUANTITY INSPECTED: *60.416754* SHEET SIZE RECEIVED: *—*

MATERIAL: *M4130WR0.375* PO / BATCH NO.: *P0040612/S100767*

## MATERIAL RECEIPT INSPECTION FORM



# METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K 1Z3

740 Imperial Road North

Certificate: 135881 2 Mail To:  
CASTLE METALS  
2150 ARGENTIA ROAD

Customer: 007209 001 MISSISSAUGA, ON L5N 2K7

Ship To:  
CASTLE METALS  
2150 ARGENTIA ROAD

NAS Order: PN 0061534 01

Date: 1/26/2016 Page: 1  
Steel: 304/304L  
Finish: ST

Your order:

30714

Corrosion: ASTM A262-10 Prac A/E OK

Red Ratio: 32.0 : 1

## PRODUCT DESCRIPTION:

Round Bar, Annealed, smooth Turned, Cold Finished  
UNB 00800/30401, EN 10204 3.1, ASTM A484/13a  
ASTM A276/13, ASTM A479/14, ASTM A182/13 CHEM ONLY,  
ASME SA479/13, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-Q763C, QQS-761P  
NACE MR0175/MR0103(MD RADIUS ONLY), ASTM F899/11  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A310/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8(EXC PAR 7.2)

## REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252.225-7009 RU DIRECTIVE  
2011/65/EU ROHS, EAF+AOD+CC, NO WELD REPAIR, MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length-----	Mark	Pieces	Commodity Code
BH6819 9		1.5000		1.083	144.00	1	1	

CHEMICAL ANALYSIS CMC(Country of Melt) ESI(Spain) US(United States) ZA(South Africa) JP(Japan)  
Lat Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Heat CM C % CO % CR % Cu % Mn % Mo % N % Ni % P %

X4X7	US	.0180	.1935	18.2095	.3730	1.3445	.3335	.0802	8.6005	.0315

S % SI %

.0225 .1865

## MECHANICAL PROPERTIES

Product Id	1 d	2 d	HB	.2YS	UTS	RA	Elong
	C	C	No.	KSI	KSI	%	% 40
BH6819 9	R	L	187.0	48.00	92.00	65.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. KRIS LARK

1/26/2016

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR  
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276  
M304R[D.DDD]  
DIA.

PART NUMBER:

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M304R0 750

RELEASED  
*of B&B/MZ*

B	REFORMAT DWG. ADD SPECS (EN DE-1) REF PAR 08-020A	CP	09-07-15
A	NEW ISSUE	AJS	08-03-03
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>AJS</i>	DART AEROSPACE LTD	
DRAWN	<i>QJ</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>QJ</i>	DRAWING NO.	
MFG. APPR.	<i>APR</i>	M304R	SHEET 1 OF 1
APPROVED	<i>APR</i>	TITLE	SCALE
DE APPR.	<i>APR</i>	304/316 ROUND BAR	NTS
DATE	09-07-15	COPYRIGHT 2004 BY DART AEROSPACE LTD This drawing is the property of DART Aerospace and is loaned to the customer. It is the customer's responsibility to return it to DART Aerospace upon completion of the project or if it is no longer required. It is illegal to copy, reproduce, or otherwise use or alter this drawing without the express written permission of DART Aerospace Ltd.	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

OC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	SIGNED OFF BY:
DATE: 18/08/09	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.					
RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE	HRC	HRB	DUR A	DUR D	WEBSTER

TESTS LOCATED IN THE QUALITY OFFICE

DESCRIPTION	NCR	Check (Y/N)	COMMENTS
CORRECT MATERIAL PER-M DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ASYM A376
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER-M DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
TESTS LOCATED IN THE QUALITY OFFICE			

MATERIAL: 11304R1.500  
PO / BATCH NO.: P0040612/S100268  
DATE: 18/08/09  
MATERIAL CERT REC'D: Yes  
THICKNESS RECEIVED: 1.500"  
THICKNESS ORDERED: 1.500"  
QUANTITY RECEIVED: 12.544 ft  
QUANTITY INSPECTED: 12.544 ft  
SHEET SIZE ORDERED:  
SHEET SIZE RECEIVED:  
QUANTITY RECEIVED:  
SHEET SIZE RECEIVED:  
QUANTITY REJECTED:  
SHEET SIZE RECEIVED:  
COMMENTS

## MATERIAL RECEIPT INSPECTION FORM



# SPECIFICATION CONTROL DRAWING

D

D

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

**SPECIFICATION:**  
ASTM A582

**PART NUMBER:**

M303RD<sup>D</sup> DDD

| DIA.

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M303R0.750

C

C

B

B

RELEASED  
2010-07-07  
*JRC*

B	REFORMAT DWG AND SPECS (ZM1.DDB)	CP	10.01.05
A	REF PAR 08-020A	DS	01.12.20
REV.	NEW ISSUE	BY	DATE
DESIGN	DESCRIPTION		
DRAWN	<b>DART AEROSPACE LTD</b>		
CHECKED	<i>JF</i>	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	<i>ES</i>	DRAWING NO	
APPROVED	<i>ES</i>	M303R	
DE APPR.	<i>JF</i>	TITLE	
DATE	10.01.05	SCALE	
		NTS	

<b>DART AEROSPACE LTD</b>	
DATE	10.01.05
REVISION	REV. B
APPROVING	SHEET 1 OF 1
APPROVED	SCALE
DE APPROVAL	NTS
DATE	10.01.05
	NOTICE: THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE KEPT CONFIDENTIAL AND IS NOT TO BE COPIED OR DISSEMINATED WITHOUT THE WRITTEN APPROVAL OF DART AEROSPACE LTD.

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

OC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	SIGNED OFF BY: <i>Ar</i>	DATE: <i>18/08/09</i>
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CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.					
RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE	HRC	HRB	DUR A	DUR D	WEBSTER
	HARDNESS / DUROMETER READING				
	TESTERS LOCATED IN THE QUALITY OFFICE				

DESCRIPTION	NCR	Comments (Check Y/N)
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT REFF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	
SIZE OF TEST SAMPLE		
TYPE OF MATERIAL		

MATERIAL CERT REC'D:	<i>L</i>	DATE: <i>18/08/09</i>	
THICKNESS RECEIVED:	<i>1.250"</i>	QUANTITY RECEIVED:	<i>12.115±</i>
THICKNESS ORDERED:	<i>1.250"</i>	SHET SIZE RECEIVED:	<i>—</i>
PO / BATCH NO.: <i>M303R1.250</i>	MATERIAL:	SHET SIZE ORDERED:	<i>—</i>

## MATERIAL RECEIPT INSPECTION FORM